Docket Number: A-1789div

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re A | pplication of: Pandian et al. | / |
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| Filed: | Herewith | 1 |
| For: | METHODS AND KITS FOR DETECTING ITA IN A | \ \ \ |

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.56 and 1.97, Applicants wish to call the attention of the Examiner to the references that are listed on the attached PTO form 1449. No copies of the references are being provided per 37 C.F.R. 1.98(d), since they were cited by or submitted to the Office in parent application U.S. Serial Number 09/918,299.

Applicant respectfully requests that the cited references be listed on the face of any patent issuing from this application.

These citations do not constitute an admission that the references are relevant or material to the claims, but rather only constitute the closest art of which Applicants are presently aware.

Respectfully Submitted

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November 18, 2003

949-450-1750

Sheet 1 of 2 Form PTO-1449 Docket Number (Optional) A-1789div **Application Number** INFORMATION DISCLOSURE CITATION Applicant Pandian et al. IN AN APPLICATION Filing Date herewith Group Art Unit (Use several sheets if necessary) **U. S. PATENT DOCUMENTS EXAMINER** DOCUMENT NUMBER DATE SUBCLASS NAME CLASS **RULING DATE** INITIAL IF APPROPRIATE 4,946,958 8/1990 Campbell et al. 5,356,817 10/2002 Cole et al. 4/09/96 5,506,150 Canick et al. 5,660,990 08/1997 Rao et al. 10/03/00 6,127,186 Pandian 03/2002 6,352,862 Davis et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE **COUNTRY SUBCLASS** TRANSLATION CLASS YES NO 98/10282 3/12/1998 WO No 99/41584 8/19/1999 WO No 99/56132 11/04/1999 wo No 00/42428 7/20/2000 WO No 00/70094 11/23/2000 WO No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Bahado-Singh R et al., "A high-sensitivity alternative to 'routine' genetic amniocentesis: multiple urinary analytes, nuchal thickness, and age." Am J Obstet Gynecol 1999 Jan;180(1 Pt 1): 169-73. Cole LA et al., "Urinary screening tests for fetal Down syndrome: I. Fresh \(\beta\)-core fragment." Prenat Diagn. 1999 Apr, 19(4): 340-50. Bahado-Singh RO et al., "New triple screen test for Down syndrome: combined urine analytes and serum AFP." J Matern Fetal Med. 1998 May-June;7(3):111-4. Kellner LH et al., "Levels of urinary beta-core fragment, total oestriol, and the ratio of the two in second-trimester screening for Down syndrome." Prenat Diagn. 1997 Dec;17(12):1135-41 Cole La et al., "Combining beta-core fragment and total oestriol measurements to test for Down syndrome ..." Prenat Diagn. 1997 Dec; 17(12): 1125-33. Cuckle HS et al., "Urinary multiple marker screening for Down's syndrome." Prenat Diagn. 1995 Aug;15(8):745-51. Bahado-Singh RO et al., "Comparison of urinary hyperglycosylated human chorionic gonadotropin concentration with the serum triple screen for Down syndrome detection in high-risk pregnacies." Am J Obstet Gynecol. 2000 Nov;183(5):1114-8 Cole LA et al., "Urinary screening tests for fetal Down syndrome: II. Hyperglycosylated hCG." Premat Diagn. 1999 Apr; 19(4):351-9 Cole LA et al., "Hyperglycosylated hCG, a potential alternative to hCG in Down syndrome screening." Prenat Diagn. 1998 Sep; 18(9):926-33.

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

population." Obstet Gynecol 1999 Jul;94(1):107-11.

Sheet 2 of 2 Form PTO-1449 Docket Number (Optional) A-1789div **Application Number** INFORMATION DISCLOSURE CITATION Pandian et al. Applicant IN AN APPLICATION Filing Date herewith (Use several sheets if necessary) Group Art Unit **U. S. PATENT DOCUMENTS EXAMINER** DOCUMENT NUMBER DATE CLASS SUBCLASS **RULING DATE** IF APPROPRIATE **FOREIGN PATENT DOCUMENTS** DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSI ATION YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Spencer K et al., "First-trimester urine free beta hCG, beta core, and total oestriol in pregnancies affected by Down's syndrome: implications for first-trimester screening with nuchal translucency and serum free beta hCG." Prenat Diagn 1997 Jun; 17(6):525-38. Isozaki T et al., "Screening for Down syndrome pregnancy using β-core fragment: prospective study." Prenat Diagn 1997 May;17(5):407-13. Spencer K et al., "Urine free beta hCG and beta core in pregnancies affected by Down's syndrome." Prenat Diagn 1996 Jul;16(7):605-13 Krichevsky A et al., "The development of a panel of monoclonal antibodies to human luteinizing hormone and its application to immunological mapping and two-site assays." Endocrine 1994, 2, 551-520 O'Conner JF et al., Differential Urinary Gonadotrophin Profiles in Early Pregnancy and Early Pregnancy Loss." Prenat Diagn 18: 1232-1240 (1998) Unknown "Serum Hyperglycosylated hCG: a Potential Screening Test for Fetal Down Syndrome." Prenat. Diagn. 19:488-490 (1999) Cole LA et al., "Hyperglycosylated Human Chorionic Gonadotropin (Invasive Trophoblast Antigen) Immunoassay: A New Basis for Gestational Down Syndrome Screening." Clinical Chemistry 45:12 2109-2119. (1999). Abushoufa RA et al, "The development of a sialic acid specific lectin-immunoassay for the measurement of human chorionic gonadotrophin glycoforms in serum and its application in normal and Down's syndrome pregnancies." Clinical Endocrinology (2000) 52, 499-508. Birken S. et al., "Development and Characterization of Antibodies to a Nicked and Hyperglycosylated Form of hCG from a Choriocarcinoma Patient." Endocrine, 10:(2) 137-144 April 1999. Krichevsky A. et al., "Development, Characterization, and Application of Monoclonal Antibodies to the Native and Synthetic BCOOH-Terminal Portion of Human Chorionic Gonadotropin (hCG) That Distiguishes between the Native and Desialylated Forms of hCG" Endocrinology 1994 Mar; 134(3):1139-45. Krichevsky A. et al. "Development and Characterization of a New, Highly Specific Antibody to the Human Chorionic Gonadotropin-β Fragment." Endocrinology 1991 Mar;128(3):1255-64. "Utility of Commonly Used Commercial Human Chorionic Gonadotropin Immunoassays in the Diagnosis and Management of Trophoblastic Diseases" by Cole et al.; Clinical Chemistry, Feb. 2001, vol. 47, no. 2, pages 308-315 **EXAMINER DATE CONSIDERED**

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